

ABSTRACT

A laser unit, which provides markings on a surface of a continuous strip (S) of metal, comprises a laser for
5 generating a beam (L) of laser radiation. The laser unit further comprises a lens arrangement (154) for focusing the laser beam (L) onto the surface of the strip (S), and a beam scanner (152, 153) which effects a controlled
10 deflection of the laser beam (L) in two mutually perpendicular directions (x, y). The beam scanner (152, 153) is arranged intermediate the laser and the lens arrangement (154). The laser unit is operable to provide laser
15 engraved markings at exact locations on the surface when the strip (S) intermittently is in an immobilized condition before being fed into a subsequent processing apparatus, which mechanically shapes the thus-marked strip (S) into marked articles to be included in cans.

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30 Elected for publication: Fig. 6

JENDICK --- Application. No. 09/723,329

ABSTRACT OF THE DISCLOSURE

A laser unit, which provides markings on a surface of a continuous strip of metal, includes a laser for generating a beam of laser radiation. The laser unit further includes a lens arrangement for focusing the laser beam onto the surface of the strip, and a beam scanner that effects a controlled deflection of the laser beam in two mutually perpendicular directions. The beam scanner is arranged intermediate the laser and the lens arrangement. The laser unit is operable to provide laser engraved markings at exact locations on the surface when the strip intermittently is in an immobilized condition before being fed into a subsequent processing apparatus, which mechanically shapes the thus-marked strip into marked articles to be included in cans.